

IN THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Original) An x-ray tomograph, comprising
an x-ray generator having a function of moving a focal position and radiating x-rays toward a subject;
an x-ray image receiving element for receiving a plurality of transmission images of the subject formed by the X-rays radiated from the X-ray generator while the focal position is moved; and
an image processing section for creating a tomographic image by processing the plurality of transmission images of the subject received by the x-ray image receiving element.

2. (Original) The x-ray tomograph according to claim 1,
wherein the x-ray generator is configured to make the focal position movable on a circumference; and
wherein the image processing section accumulates the transmission images of the subject corresponding to individual focal positions of the x-ray generator to create an accumulated image and extracts pixels having a brightness value of the accumulated image between a prescribed upper limit threshold value and a lower limit threshold value to create a tomographic image.

3. (Currently Amended) The x-ray tomograph according to claim 1 [[or claim 2]],
wherein it is configured to create the tomographic image of the subject for each of a plurality of tomographic planes which intersect in prescribed directions and are different from one another.

4. (Currently Amended) A stereoradioscopic image constructing equipment,
comprising:
[[the]] an x-ray tomograph;
an x-ray generator having a function of moving a focal position and radiating x-rays toward a subject;

an x-ray image receiving element for receiving a plurality of transmission images of the subject formed by the X-rays radiated from the X-ray generator while the focal position is moved;

an image processing section for creating a tomographic image by processing the plurality of transmission images of the subject received by the x-ray image receiving element;
and

a stereoradioscopic image constructing section for creating a stereoradioscopic image by processing the plurality of tomographic images obtained by the x-ray tomograph.

5. (Original) The stereoradioscopic image constructing equipment according to claim 4,

wherein the stereoradioscopic image constructing section corrects geometrical enlargement ratios of the plurality of tomographic images obtained by the x-ray tomograph and combines the corrected tomographic images to create a stereoradioscopic image.

6. (New) The x-ray tomograph according to claim 2,

wherein it is configured to create the tomographic image of the subject for each of a plurality of tomographic planes which intersect in prescribed directions and are different from one another.